

**CLAIMS**

1. A method of determining a psychological stress level in a human, the method comprising with measurement means, measuring the level of one or more isoprostanes in a biological sample derived from the human and calculating the psychological stress level from said measured isoprostane level.
2. The method of claim 1, wherein said measuring means comprises means for measuring the level of one or more antibodies and/or antibody fragments directed thereto.
3. The method of claim 1, wherein said biological sample comprises one or more body fluids.
4. The method of claim 3, wherein the one or more fluids is or are selected from the group consisting of urine, blood, tears, sweat and saliva.
5. The method of claim 4, wherein said psychological stress is associated with one or more conditions selected from the group comprising clinical depression, post traumatic stress disorder, chronic fatigue syndrome and ME.
6. The method of claim 4, wherein said one or more isoprostanes when measured in urine comprises 2,3-dinor-8-iso-prostaglandin  $F_{1\alpha}$  and/or a racemic diastereoisomer thereof.
7. The method of claim 1, wherein said one or more isoprostane is an F2-isoprostane.
8. The method of claim 1, wherein said one or more isoprostane is a 8-F<sub>2</sub>-IsoP and/or a racemic diastereoisomer thereof.